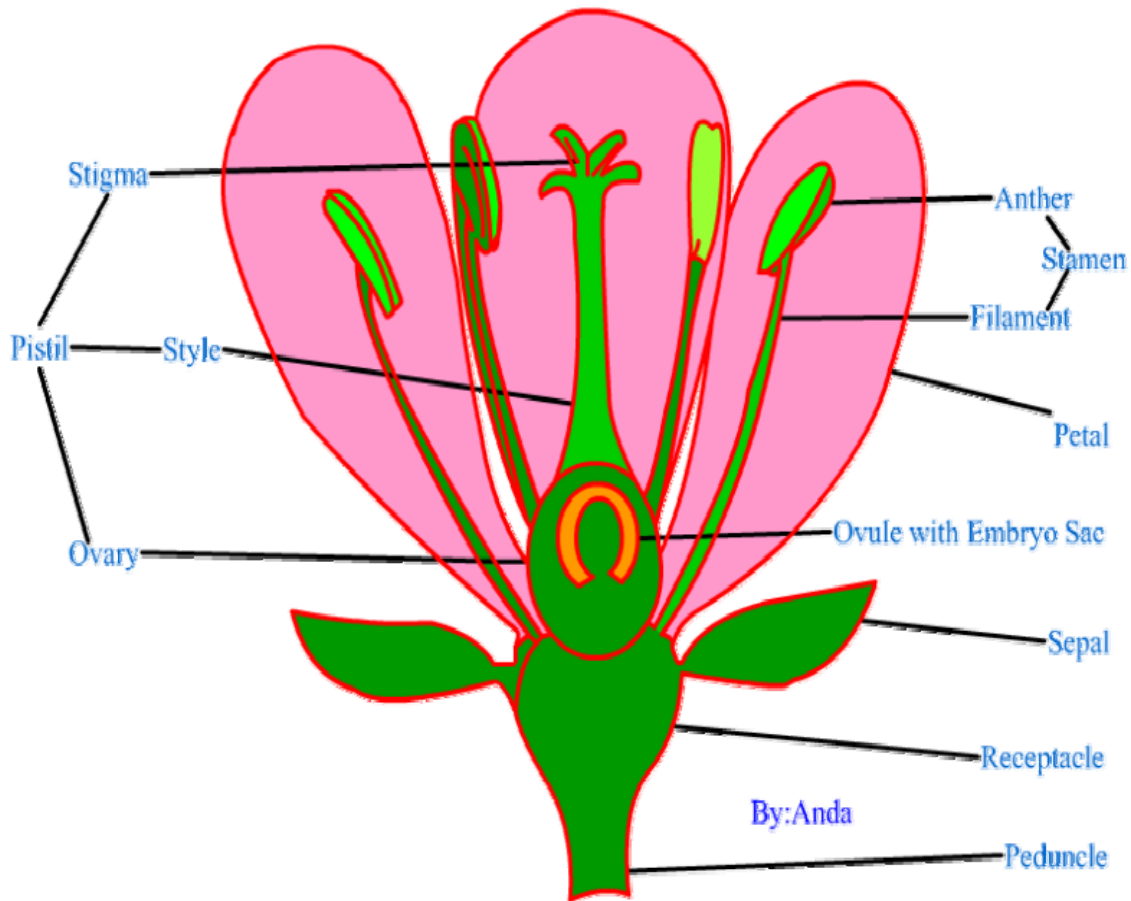
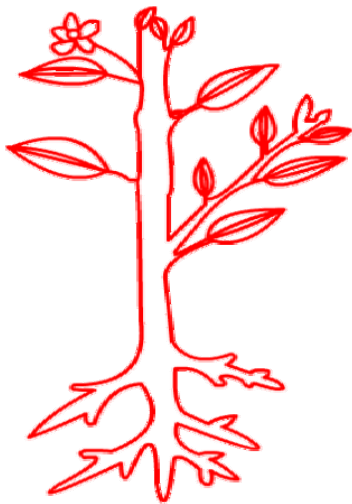


# Plants

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## Parts of a Flower





## **Introduction**

Plants are living things. They give us the material for clothes, the air we breath, and the medicine (drugs or lozenges) we eat or drink. There are thousands of kinds of plants. How do they feed themselves you ask? They convert Carbon Dioxide, water, sunlight into sugar. The remaining Oxygen goes out. What an amazing thing! Plants are found in different sizes. Some are big and some are small. Did you

know that plants can reproduce by seeds, bulbs, tubers, rizomes, corms, runners, and a plant can be cut off and can be put into the water and it will grow a new plant! Did you know the 5 top poisonous plants are the Castor Bean Plant, the Deadly Nightshade, the Rosary Pea, the Water Hemlock, and the Oleander?

### **Pollination**

Pollination is the process of pollen being transferred by insects. Insects carry pollen from one flower to another. Why do they pollinate you might ask? The male parts are the pollen, the insect takes the pollen to another plant and travels to the ovule (egg) and fertilizes the egg to become a seed and the ovary fattens and the becomes a fruit.

### **Fertilization**

In order for fertilization to occur, sperms must be able to reach the ovule (egg). The pollen goes into the egg and fertilizes the egg. How do they transfer you ask? Insects like bees, butterflies and even some other animals like humming birds help with pollination. Fertilization happens once the sperm (pollen) reaches the egg and fertilizes it.

### **Seed Dispersal**

How do the seeds disperse to form new plants?

Seeds can disperse in 5 different ways. The first way is

wind dispersal, the second way is water dispersal, the third way is animal dispersal, the fourth way is explosions, the fifth way is fire.

Some seeds can be dispersed by wind. These seeds are really light like a dandelion seed. Some can be dispersed by water. The fruit can float for thousands of kilometers like a coconut. Animals eat fruits but only the juicy part is digested. Once birds eat the fruit and when the seed is swallowed it goes through the digestive system and the seeds go out as droppings. Some pods explode when it is ripe and the seeds scatter all around just like beans and peas. Some seeds need heat or fire in order to get the seeds to scatter just like a pinecone when a certain temperature is reached.

## **Germination**

Germination happens when a baby plant is growing. A baby plant needs air, warmth, and water in order to germinate. For the process of germination first up is the main root it needs to come out. More roots come out and then after that the first leaves appears.

## **Growth**

A plant needs the right conditions to grow. A seed can grow in the dark until the plant grows leaves. Then the plant needs sunlight or artificial light to make food. The plant needs water from rain or from watering,

sunlight or artificial light and warmth. Too much light or water can ruin the plant.

## **Habitats**

Plants live in different parts of the world.

They live in different habitats. Plants can live in hot, warm, or cold climates.

They can adapt to different climates. Some can live in the Arctic, some in the rainforests, and some in Antarctica. A hot desert climate is where there is no rain or snow, and is dry. A cold climate is where there is snow, cold, and poor soil.

A tropical climate is where there is warmth, rain, rich soil.

## **Plants For Food**

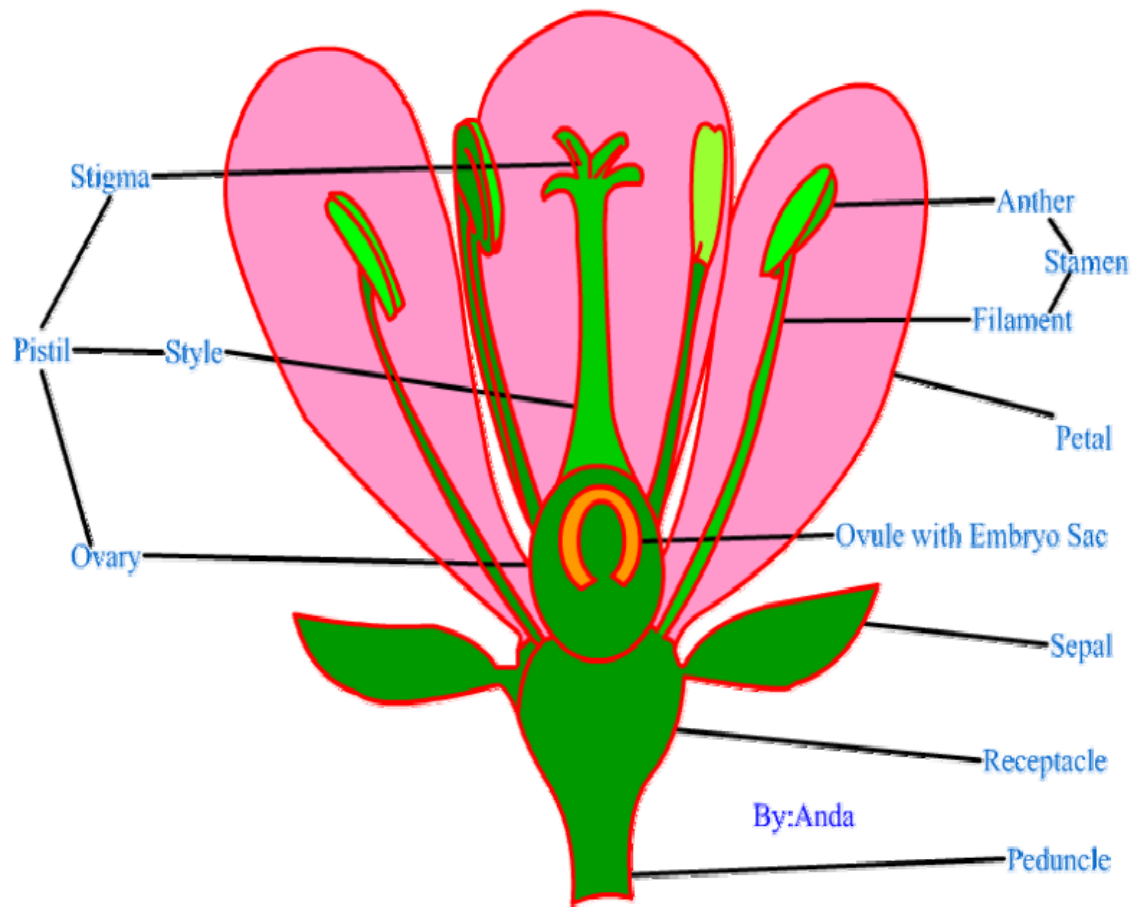
Some people eat plants like a berry or a cabbage.

Some plants can grow underground. These vegetables and fruits can give us lots of good things for us. They can give us vitamins or calcium. For example oranges can give us vitamin C.

## **Plants For Making Things**

Plants can be made into different things. They can be made into cabinets, tables or even chairs. These products are made of wood. Other plants can be made into drugs or lozenges. Their are made of herbs.

## Parts of a Flower



## Parts of A Plant

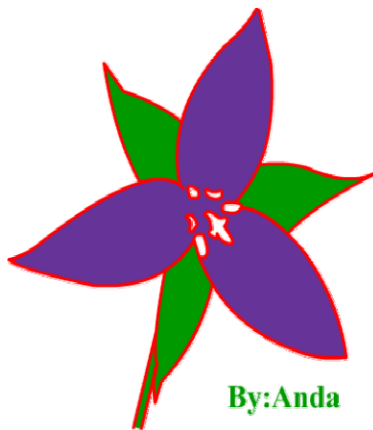
- Flowers
- Leaves
- Stems
- Roots

Each part of a plant has a different job.

The top part or flower helps the plant to reproduce by making seeds. The leaves have the chlorophyll which gives the green in the plant and gives the food (sugars) to the plant. The stem helps the plant with the supports the plant needs. It also gets the nutrients from the ground and sends it up. The roots go down into the soil and absorb water and the nutrients down in the ground. The roots anchors the plant so it will not fall down.

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Here's another plant!



Its called a trillium! It's our provincial flower.

